Index For Volume 7

Authors

A

Ahlert, Robert 77

B

Bell, Donald W. 1
Bennett, Gary F. 93
Blackwood, T.R. 71
Bond, J.J. 41
Bordson, D.L. 123
Burke, F. P. 104
Bustamante, R.B. 13
Byers, W.D. 17

C

Cashen, T. 112
Cawley, Mark W. 99
Chionis Hess, Mary 7
Chiu, Shen-Yann 155
Chowdhury, A.K. 143
Cobb, Thomas B. 247
Copa, W.M. 143

D

Dane, Lee 207
Debler, Vickie L. 230
Delcambre, P. Ryan 175
Diaz, L.F. 123
Dienemann, Eirk 77
Dietrich, M.J. 143
Drabkin, Marvin 167
Duffy, James J. 262
Dworkin, Daniel 99

E

Eriksson, Peter 58

F

Fochtman, E.H. 112
Freeman, Harry M. 167
Fromm, Carl 167

G

Gammage, Richard B. 279
Gopalratnam, V. C. 93

H

Habegger, Loren J. 155
Harper, Jerome P. 257
Hayden, A.C.S. 241
Heinhold, David 116
Hendershot, Dennis C. 180
Henke, K.R. 198
Howard, H.K. 41
Humphreys, Mallory P. 257

J

James, R.B. 185
Jones, George 7

K

Kalnes, T.N. 185
Karam, Joseph G. 192
Kosson, D.S. 270
Kosson, David S. 212, 77
Kosusko, Michael 230
Kosusko, Michael 136
Kunz, Charles O. 236

L

Legiec, I.A. 270
Lovell, W. Adrian 224

M

Maimoni, Arturo 93
Manz, O.E. 198
Martino, Louis E. 155
Mathews, T.G. 279
McBride, Gregg W. 1
Michael, Eugene J. 1
Micheletti, Wayne 7
Moffett, Tola B. 224
Moretti, C.J. 198
Mulholland, James A. 63

N

Napier, J.M. 13

O

Opatken, E.J. 41

P

Parkhurst, William J. 257
Pennline, Henry W. 215
Peters, Robert W. 155, 84

R

Ramanathan, Kumar 230
Randall, T.L. 143
Resch, Michael E. 162
Rice, Steven C. 46
Rosenhoover, W.A. 104
Roth, J.A. 52

S

Savage, G.M. 123
Schwab, Bradley 116
Sellers, Jerry D. 224
Sikkema, Stephen 77
Smith, Douglas 116
Sparks, Leslie E. 230
Spengler, John D. 257
Spivey, James J. 31
Srivastava, Ravi K. 63
St. Cin, Carl 192
Stanczyk, Thomas F. 151
Stouffer, M.R. 104
Streats, David G. 247
Swanstrom, C. 112

T

Tilly, Jean 192
Tomlinson, Joe 7
Tucker, Michael E. 262

V

Veselka, Thomas D. 247

W

Walker, Richard J. 215
Walters, Richard J. 224
Weinstein, Bruce 131
Wentz, Charles A. 198, 155
Whitlow, J.E. 52
Wiken, K.U. 198
Wilson, John W. 1
Withum, J.A. 104
Wolsky, Alan M. 247

Y

Ying, Wei-Chi 262
Yoon, H. 104

Index For Volume 7

Authors

A

Ahlert, Robert 77

B

Bell, Donald W. 1
Bennett, Gary F. 93
Blackwood, T.R. 71
Bond, J.J. 41
Bordson, D.L. 123
Burke, F. P. 104
Bustamante, R.B. 13
Byers, W.D. 17

C

Cashen, T. 112
Cawley, Mark W. 99
Chionis Hess, Mary 7
Chiu, Shen-Yann 155
Chowdhury, A.K. 143
Cobb, Thomas B. 247
Copa, W.M. 143

D

Dane, Lee 207
Debler, Vickie L. 230
Delcambre, P. Ryan 175
Diaz, L.F. 123
Dienemann, Eirk 77
Dietrich, M.J. 143
Drabkin, Marvin 167
Duffy, James J. 262
Dworkin, Daniel 99

E

Eriksson, Peter 58

F

Fochtman, E.H. 112
Freeman, Harry M. 167
Fromm, Carl 167

G

Gammage, Richard B. 279
Gopalratnam, V. C. 93

H

Habegger, Loren J. 155
Harper, Jerome P. 257
Hayden, A.C.S. 241
Heinhold, David 116
Hendershot, Dennis C. 180
Henke, K.R. 198
Howard, H.K. 41
Humphreys, Mallory P. 257

J

James, R.B. 185
Jones, George 7

K

Kalnes, T.N. 185
Karam, Joseph G. 192
Kosson, D.S. 270
Kosson, David S. 212, 77
Kosusko, Michael 230
Kosusko, Michael 136
Kunz, Charles O. 236

L

Legiec, I.A. 270
Lovell, W. Adrian 224

M

Maimoni, Arturo 93
Manz, O.E. 198
Martino, Louis E. 155
Mathews, T.G. 279
McBride, Gregg W. 1
Michael, Eugene J. 1
Micheletti, Wayne 7
Moffett, Tola B. 224
Moretti, C.J. 198
Mulholland, James A. 63

N

Napier, J.M. 13

O

Opatken, E.J. 41

P

Parkhurst, William J. 257
Pennline, Henry W. 215
Peters, Robert W. 155, 84

R

Ramanathan, Kumar 230
Randall, T.L. 143
Resch, Michael E. 162
Rice, Steven C. 46
Rosenhoover, W.A. 104
Roth, J.A. 52

S

Savage, G.M. 123
Schwab, Bradley 116
Sellers, Jerry D. 224
Sikkema, Stephen 77
Smith, Douglas 116
Sparks, Leslie E. 230
Spengler, John D. 257
Spivey, James J. 31
Srivastava, Ravi K. 63
St. Cin, Carl 192
Stanczyk, Thomas F. 151
Stouffer, M.R. 104
Streats, David G. 247
Swanstrom, C. 112

T

Tilly, Jean 192
Tomlinson, Joe 7
Tucker, Michael E. 262

V

Veselka, Thomas D. 247

W

Walker, Richard J. 215
Walters, Richard J. 224
Weinstein, Bruce 131
Wentz, Charles A. 198, 155
Whitlow, J.E. 52
Wiken, K.U. 198
Wilson, John W. 1
Withum, J.A. 104
Wolsky, Alan M. 247

Y

Ying, Wei-Chi 262
Yoon, H. 104

Titles

A

Absorption, Electrodialysis and Additional Regeneration In Two Flue Gas SO_2/NO_x Cleanup Processes 215
Alternatives for Reducing the Risks of Hazardous Materials Storage Facilities 180
Aquifer Restoration: Chlorinated Organics Removal Considerations in Proven vs. Innovative Technologies 99

C

Catalytic Oxidation of Groundwater Stripping Emissions 136
Control of Emissions From an Air Stripper Treating Contaminated Groundwater 17

D

Design of a Tracking System for Hazardous Waste Minimization 155
Development of Options for Minimizing Hazardous Waste Generation 167

E

Economic Evaluation of Waste Minimization Options 192
Effect of Acid Rain Legislation on the Economics of CO_2 Recovery From Power Plants 247
Effects of Commercial Landfill Bans on Waste Minimization Strategies and Treatment Performance Standards, The 151
Elevated Concrete Buildings for Long-Term Management Of Hazardous Waste 224
Emergency Planning Considerations for Chemical Plants 1
Environmental Review Strategy for R & D Activities 46
Evaluating Potential Impacts From Accidental Gaseous Releases of Toxic Chemicals 116
Evaluation of Control Strategies for Volatile Organic Compounds in Indoor Air 230
Evaluation of Fine Particle Wet Scrubbers, An 71
Evaporation Times of Drop Distributions and Their Impact on Costs of In-Duct Humidification Systems For Retrofitting Electrostatic Precipitators, The ... 131

H

Hazardous Waste Minimization Audits Using a Two-Tiered Approach 162
Heterogeneous Ozonation Kinetics of Pollutants in Wastewater .. 52
Hydrogenation and Recycle of Organic Waste Streams 185

I

Identification and Quantification of Volatile Organic Species During Microbial Treatment of Leachate 77
Important Issues Related to Air Pollution at Municipal Solid Waste Facilities 123
Indoor Radon: Source Characterization 236
Influence of Indoor Combustion Sources on Indoor Air Quality 257
In-Situ Biodenitrification of the S-3 Ponds 13
In-Situ Extraction of Industrial Sludges 270

L

Lamella Settlers: Material Balances and Clarification Rates 93
Low NO_x High Efficiency Multistaged Burner: Gaseous Fuel Results 63

N

Nanofiltration Extends the Range of Membrane Filtration 58

O

Opportunities for Research in Hazardous Waste Minimization .. 212

P

Pilot Process Variable Study of Coolside Desulfurization 104

R

Recovery of Volatile Organics From Small Industrial Sources 31
Removal of Humic Acid and Toxic Organic Compounds By Iron Precipitation 262
Removal of Pollutants From Dilute Wastewater by the PACT Treatment Process 143
Residential Combustion Appliances: Venting and Indoor Air Quality 241

S

Simultaneous removal of Oil and Heavy Metals From Industrial Wastewater by Joint Precipitation and Air Flotation, The 84
Source Reduction Technical Assistance: A Pilot Project and its Implications for the Chemical Industry 207
Stringfellow Leachate Treatment With RBC 41

T

Treatment of Water-Reactive Powder 112

U

Use of Fly Ash as a Waste Minimization Strategy 198

V

Volatile Organic Compounds in Indoor Air: Types, Sources and Characteristics 279

W

Waste Reduction: Program, Practice and Product in Chemical Manufacturing 175
Wastewater Concentration by Seeded Reverse Osmosis: A Field Demonstration in the Electric Power Industry 7

Subjects

A

Absorption 215
Acid 247, 262
Air 17, 84, 123, 230, 241, 257, 279
Appliances 241
Aquifer 99

B

Biodenitrification 13
Burner 63

C

Carbon Dioxide 247
Catalytic Oxidation 136
Chemical Plants 1
Characteristics 279
Characterization 236
Chlorinated 99
Clarification Rates 93
Cleanup Processes 215
Combustion 241, 257
Commercial 151
Compounds 31, 230, 262, 279
Concentrations 7
Concrete 224
Considerations 1, 99
Contaminated 17
Control 17, 230
Coolside 104

D

Demonstration 7
Design 155
Desulfurization 104
Drop Distributions 131

E

Economic(s) 192, 247
Electric 7
Electrodialysis 215
Electrostatic Precipitators 131
Emergency 1
Emissions 17, 136
Environmental 46
Evaluation 71
Evaporation 131
Extraction 270

F

Field Demonstration 7
Filtration 58
Fine Particle 71
Flotation 84
Fly Ash 198
Fuel 63

G

Gas 215
Gaseous 63, 116
Glue Gas 215
Groundwater 17, 136

H

Hazardous Wastes 155, 162, 167, 180, 224
Heavy Metals 84
Heterogeneous 52
Humic 262
Humidification 131

I

Identification 77
In-duct 131
In-situ 13, 270
Indoor 230, 236, 241, 257, 279
Industrial 31, 84, 270
Industry 7
Iron 262

J

Joint precipitation 84

K

Kinetics 52

L

Lamella settlers 93
Landfill 151
Leachate 41, 77
Legislation 247
Long-term Management 224

M

Material Balances 93
Membrane 58
Microbial 77
Multistaged Burner 63
Municipal 123

N

Nanofiltration 58
Nitrogen Oxide 63, 215

O

Oil 84
Organic(s) 31, 77, 99, 185, 230, 262, 279
Osmosis 7
Oxidation 136
Ozonation 52

P

PACT Treatment 143
Particle 71
Performance Standards 151
Pilot 104, 207
Planning 1
Plants 1, 247
Pollutants 52, 143
Pollution 123
Ponds 13
Potential Impacts 116
Powder 112
Power 7, 247
Precipitation 262
Precipitation 84
Process 104, 143

Q

Quantification 77

R

Radon 236
RBC 41
Recovery 31
Regeneration 215
Releases 116
Removal 84, 99, 262
Research 212
Residential 241
Restoration 99
Retrofitting 131
Reverse 7
Review Strategy 46

S

Scrubbers 71
Seeded 7
Settlers 93
Sludges 270
Solid Waste 123
Source(s) 31, 207, 236, 257, 279
Species 77
Standards 151
Strategy 46
Streams 185
Stringfellow 41
Stripper 17
Stripping 136
Sulfur Dioxide 215

T

Toxic 116, 262
Tracking System 155
Treatment 41, 77, 112, 143
Types 279

V

Variable Study 104
Venting 241
Volatile 31, 77, 230, 279

W

Waste 123, 151, 155, 162, 167, 175, 185, 192, 198, 212, 224
Wastewater 7, 52, 84, 143
Water-Reactive 112
Wet Scrubbers 71